Mountain Weather Forecast

Yorkshire Dales National Park

Forecast valid from 00:00 on Tuesday 22 Dec 2020 until 23:59 on Wednesday 23 Dec 2020

Forecast Issued on Monday 21 Dec 2020 at 13:49

Confidence: Low for Tuesday and Wednesday due to uncertainty in northward extent of precipitation over the United Kingdom. High for settling down Thursday and for Christmas Day.

Headline for Tuesday 22 Dec 2020: Rain clearing by dawn then a bright day with some sunshine though a touch of frost at first and cloud will slowly increase. Cloud thickening in evening to bring rain and summit snow.

Mountain weather hazards on Tuesday 22 Dec 2020

Blizzards No Likelihood	**Heavy Snow** Low Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Low Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** Low Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Light rain	Heavy Rain	Clear night	Sunny	Sunny intervals	Cloudy	Cloudy	Cloudy
Precipitation probability							
80%	60%	00%	00%	00%	00%	00%	<05%

Forecast for Tuesday 22 Dec 2020

Weather: Cloud and rain clearing southwards, but turning to snow over the tops for a time. Clear periods by the end of the nigh with clear skies and a touch of frost to start the day. Then a mostly dry and bright day with sunny spells, although cloud will gradually increase in latter half of the day and there could be a little rain and summit snow late evening

Chance of cloud free mountain/hill tops above 600m: 30% or less in early hours with extensive cloud above 400 or 500m, but around 90% for most of the day, with little cloud on the tops.

Visibility: Generally poor in early hours, but much of the day will see good or very good visibility.

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Mountain Weather Forecast

Forecast for Tuesday 22 Dec 2020

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	10/15 NW	9/16 W	11/18 W	10/15 SW	9/14 W	7/11 SW	5/9 SW	4/6 SE	4/7 NE
300	7/15 NW	7/16 NW	7/16 W	6/13 W	5/12 W	3/10 W	2/7 W	2/4 E	4/7 NE
Valley	5/13 NW	4/10 NW	2/6 W	2/6 W	2/7 SW	1/5 NE	2/4 NE	2/4 E	3/6 NE

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	2/-2	1/-3	1/-3	1/-3	2/-2	2/-1	1/-1	1/-1	1/-1
300	4/2	2/-1	2/-1	2/-0	4/2	3/2	2/1	2/0	2/0
Valley	5/4	2/1	2/-0	2/0	5/4	4/3	2/1	3/2	3/2
Freezing Level*	1000m	700m	800m	800m	800m	800m	700m	700m	700m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Snow falling above 600mm in early hours with some chill effect on the higher tops, though winds mostly light. A chilly start with temperatures below zero C in some of the dales, then good spells of sunshine from a low angle in the morning.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Mon 21 Dec 2020	2.4mm	10.2mm	18.8mm

Forecast for Wednesday 23 Dec 2020

Weather: Cloudy with rain, some heavy, but snow level rising in early hours. Becoming windier and colder in the afternoon with rain turning to snow over the higher tops before clearing through the evening, with a significant chill on the tops.

Maximum wind: Easterly 20mph becoming northeast 25-30 gust 40mph by lunchtime and increasing 30-35 gust 50mph by the evening and possibly 40 gust 60mph on the higher tops in the evening.

Chance of cloud free mountain/hill tops above 600m: Almost nil with extensive cloud down to low levels, though chance improving in evening as strong winds lift cloud a bit and rain clears

Visibility: Moderate or poor, but very poor on the higher slopes for much of the time. Becoming good in the evening once rain and summit snow clears

Temperature: **Valleys:** Around zero C rising to plus 8 C, but falling to plus 4 C later
At 600m: Plus 1 rising to 5 C, but falling to plus 1 C later
Freezing level: Rising above the tops overnight, but falling to 700m in evening

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